



**INCINER8**

[www.inciner8.com](http://www.inciner8.com)

technical excellence  
*...it's in our DNA*

**DATE:** 21/02/2020

**Quotation to:** Lexington-Fayette Urban County Government

**Waste Application:** Narcotics / Drugs

**BID REF:** #34-2020 Incinerator for Police

**OUR REF:** TH2779

Dear Sirs/Madam,

Please find attached our proposal for this project for a trailer mounted incinerator which is compliant to the following specifications:

- The incinerator shall be trailer-mounted and capable of being towed by a
- medium-duty or heavy-duty pickup using a ball hitch.
- The incinerator shall be safe to operate in all normal weather conditions.
- The incinerator and trailer, when prepared for transport, shall not be taller than
- nine feet.
- The trailer package shall include fuel and energy sources to ensure the
- incinerator is operable at any remote location.
- The fuel source should permit operation of the incinerator for 4 hours without
- refueling.
- The exhaust/discharge from the incinerator shall comply with 401 KAR 50 and
- related regulations. (The incinerator will be used solely for law enforcement
- disposal of contraband and is exempt from federal EPA regulations.)
- The incinerator should have a capacity of at least eight cubic feet in the primary
- burn chamber.
- The incinerator should be rated to incinerate at least 60 pounds of material per
- hour.
- The bid shall include any tools or equipment required for loading, clearing or
- operating the incinerator.
- 10. Any incinerator constructed from, or in the style of, a 55-gallon drum or similar
- barrel is not acceptable and will make the bid non-responsive.
- Pricing shall include all shipping, delivery and handling to Police Technical Services,
- 2269 Frankfort Court, Lexington, KY 40510.

Please note that as we are a manufacturer from the United Kingdom, we do not utilize subcontractors from any specific ethnicity backgrounds therefore we cannot comply with any stipulations regarding MWDBE's.

## 18-40S MULTI-PURPOSE INCINERATOR – WHAT WE SUPPLY:

Everything to get you up and running quickly including:

- ✓ Primary combustion chamber
- ✓ Secondary chamber
- ✓ Chimney
- ✓ Control panel & stand
- ✓ 2x Diesel burners\*
- ✓ 1x Fuel tank & piping kit
- ✓ 2x Temperature probes
- ✓ Twin-axle trailer & generator

*\*Natural Gas or LPG configurations are available upon request*

## YOU MUST PROVIDE PRIOR TO INSTALLATION:

All our models are designed to be easy to assemble and commission. To ensure this is a smooth process and is completed in good time, please ensure the following requirements are met on-site:

- Suitable concrete foundation to site incinerator
- Lifting equipment (crane or forklift depending on system weight)
- Dedicated premises with ventilation or at least a three-sided metal shelter\*
- Provisions for the chimney to extend into the atmosphere
- Minimum clearance of 1.5 meters on all sides of the incinerator
- Adequate fuel for curing & commissioning

*\*Not required for mobile incinerators*

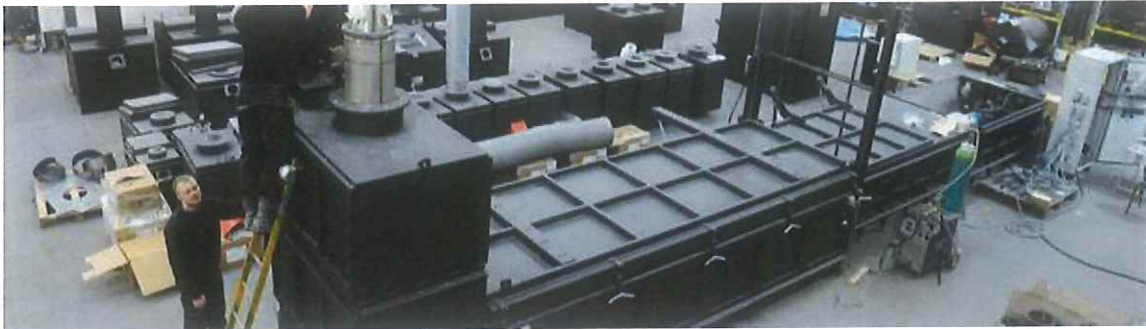
## SPARE PARTS PACKAGE:



Our '1 Year Spare Parts Package' includes everything required to replace consumables and service the incinerator for 1-2 years such as:

- Replacement diesel or gas burner (1)
- Replacement thermocouple (2)
- Replacement fire rope kit (1)
- Cement repair kit (1)
- Mastic tube (1)

Annual service packages are available upon request



## WHY CHOOSE INCINER8?

**INCINER8 Ltd** is one of the largest suppliers of incinerators throughout the world. Manufacturing in Southport, England and shipping out products all over the world (currently to 185 countries) through our dedicated sales team & Global Dealership Network.

An experienced team of researchers, designers and engineers have made **INCINER8** an innovator in the waste incinerator sector, achieving two Queens Awards and many regional business awards.

Our hand engineered machines can process municipal, medical and animal waste streams, providing the best solutions to waste problems around the world.

Many of our performance components are CE marked ensuring that we meet the highest standards in safety and construction. Environmental compliance through our various pollution control options is at the heart of everything we do, we offer the latest technological solutions to help comply with **Directive 2010/75/EU** for non-hazardous and hazardous waste applications. We also have a large range of **DEFRA** approved units which meet the highest regulations for animal waste incineration.

- Highest Efficiency Product Range
- Vast Experience in Global & Local Provision
- Innovative Technologies
- World Class Aftersales Support





0060

*Certificate Number*

**6596**

*Date First Registered*

**29/11/2007**

*Date Certificate Issued*

**13/11/2019**

*Date Certificate Expires*

**28/11/2022**

*World Certification Services Ltd  
Eastern Court, Oswald Road  
Birkenhead, Liverpool, L3 5JJ  
United Kingdom*



## CERTIFICATE OF REGISTRATION

*This Certificate has been awarded to:*

**Inciner8 International**  
**Unit 2, Canning Road Industrial Estate**  
**Canning Road,**  
**Southport**  
**PR9 7SN**  
**United Kingdom**

*In Recognition of the Organisation's Management System which complies with:*

**ISO 9001:2015**

*For the Scope of Activities described below:*

**Wholesale Distribution of Waste Incinerators & Heaters, UK & International.**  
**Manufacture, Sales and Distribution of Waste, Animal and Medical Incinerators. Heaters.**

*This Certificate has been awarded by*

**WORLD CERTIFICATION SERVICES LTD.**

*Issued By:*

*Revision Date:*

**13/11/2019**

*Issue #*

The use of the accreditation mark indicates accreditation in respect of those activities covered by UKAS accreditation certificate number 0660 and / or IAF accreditation certificate number WCS. 990403.

 **INCINER8**



**i8-40s  
Multi Purpose  
Incinerator**

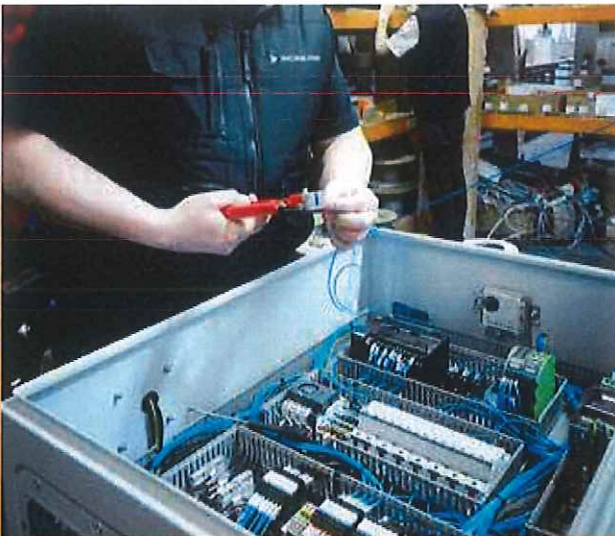
# Custom designed to match budget, specification and performance.



**Industry Leading Insulation Coretex®** insulation is a specially formulated substrate containing various levels of material that ensure almost all of the heat generated within our incinerators stays inside them - increasing performance and efficiency to another level.



**Rigid, Long Lasting Construction** This model is constructed from British made high quality 3mm mild steel plate. They are fully welded for maximum strength by our time-served coded welders. Meaning you get years of trouble-free operation.



## Plug and Play CE-2 Control Panel

Completely re-designed and built in-house since 2017. Our control panels now feature:

- IP65 weatherproof
- User friendly
- Robust Components
- 316 Stainless thermocouples
- Separate primary / secondary control



## Why we use Castable Refractory Linings

- Our latest low cement castable technology has a higher strength and volume stability than the conventional castable.
- It has excellent resistance to thermal cycling
- This castable has fast firing characteristics engineered - so is more robust in the initial firing / commissioning stage and in continued service.

## Key Parts of our Incinerator

### HT Thermocouples

Allows complete control of primary & secondary chamber temperatures via the control panel.

### Low NOx Burner

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.

### Primary Chamber

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

### Chimney Stack

Stainless steel stack for longevity. Minimum 3m stack height required. Fitted with dispersion cap as standard.

### Secondary Chamber

Creates an 'afterburn' effect using the second burner which helps retains gases for up to 1 second.

### Heavy Duty Lock

Designed by us to ensure tight locking chamber with no air gaps. Easy to open and close.



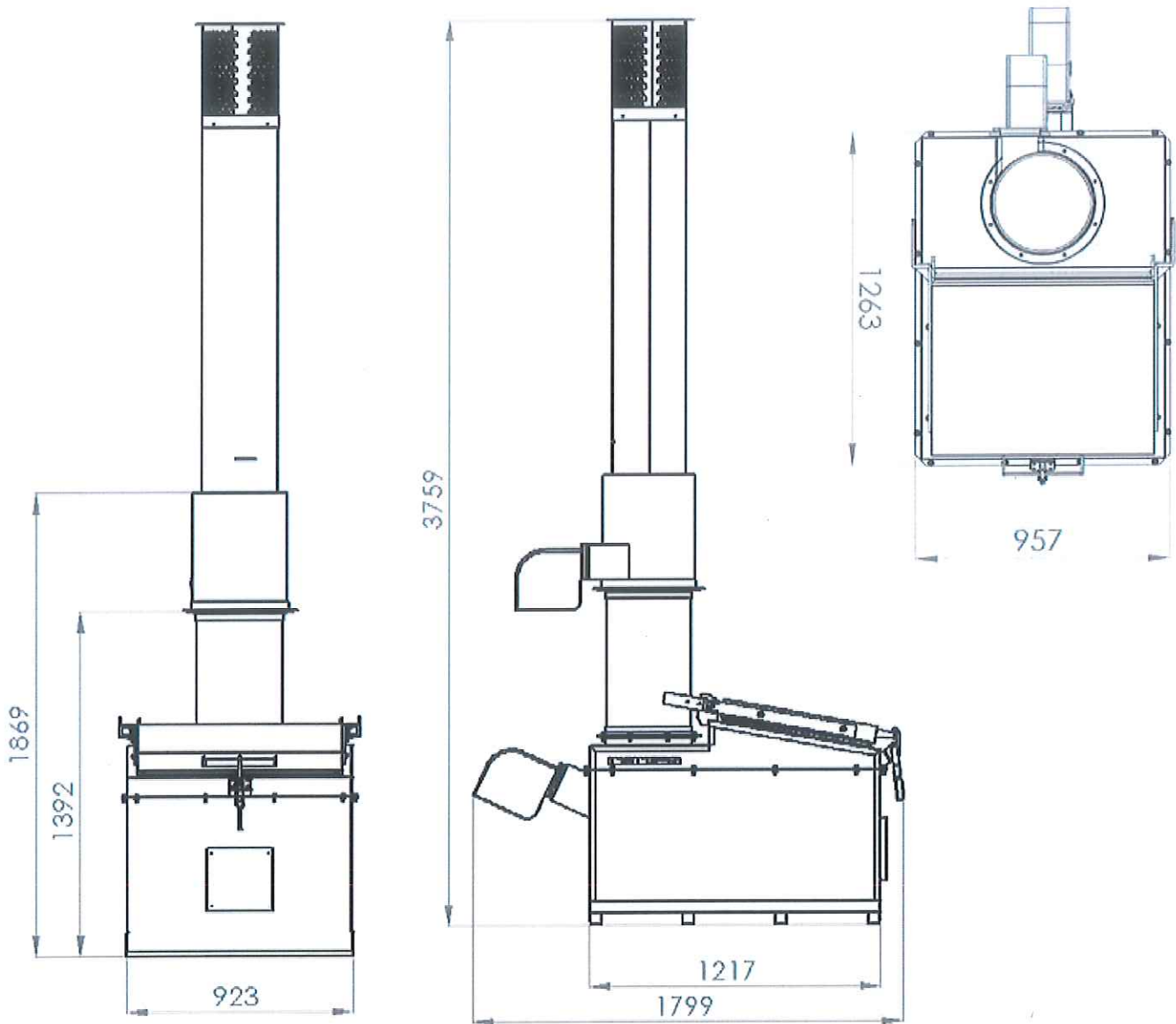
Incineration is a waste treatment process that involves the combustion of organic substances contained in waste materials. Incineration and other high-temperature waste treatment systems are described as "thermal treatment". Incineration of waste materials converts the waste into ash, flue gas and heat. The ash is mostly formed by the inorganic constituents of the waste and may take the form of solid lumps or powder. In some cases, the heat generated by incineration can be used to generate electric power.

## Applications

Our versatile range of basic incinerators are designed to be multi-purpose. This particular model benefits from a top loading design and very simple operation process. Ideal as a stand-alone machine.

- General waste
- Animal by-products
- Medical waste
- Plastics & packaging
- Camp waste
- Domestic waste
- Bandages and gauzes





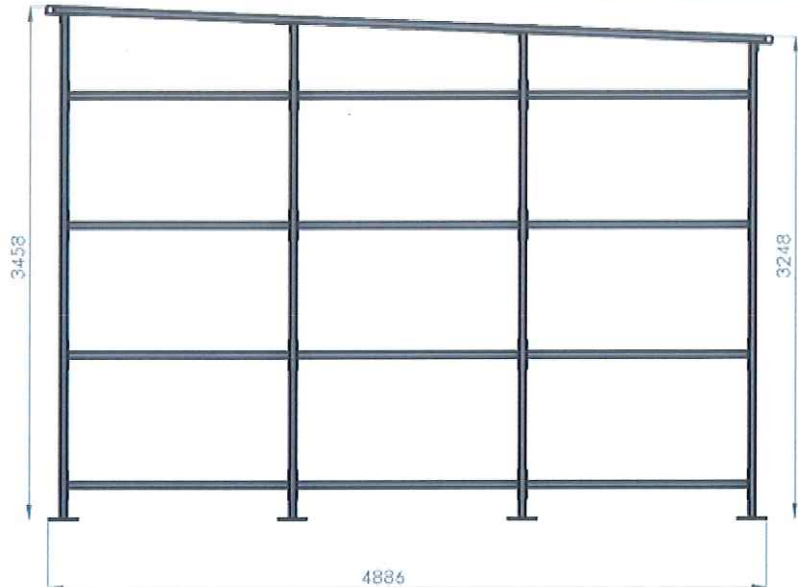
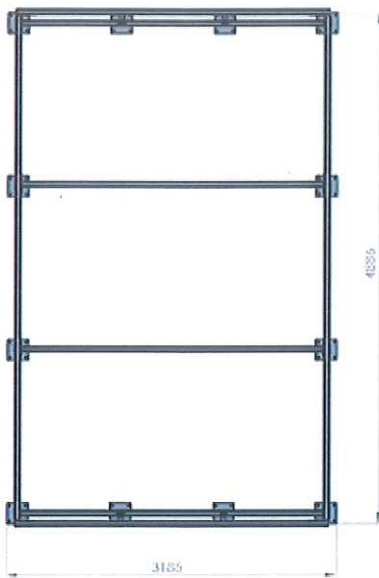
This machine can reach in excess of 850°C in the secondary chamber and also retains the gases for up to 1 second.

### Technical Specification

Combustion Chamber Volume (m3)	0.36m3	Average Ash Residue (%)	3%
Metal Thickness	3mm	Thermostatic Device	yes
Burn Rate*	20 to 70kg per hour	Shipping Weight (kg)	920kg
Operational Temperature	850°C	Dimensions (l, w, h)	1.79m x 0.98m x 3.1m

\*\* Dependent on calorific value of waste and local conditions.

# Site Preparation



## Sheltered

Ideal weather protection for equipment and operator. Our shelters are designed for easy and quick installation on a standard reinforced concrete slab.

Certain regions require some sort of shelter from adverse weather conditions or localised problems. Our products are used in diverse locations from the freezing camps of Antarctica to sweltering temperatures of Sierra Leone.



## Containerised

Containerisation is the most feasible and viable option in contrast to the construction of on-site facilities and housing structures, eliminating the man power and costs involved.

The units arrive complete with electrical power generators and fuel tank with further customization available to suit all needs, regardless of local resources available. The system is available in 10ft, 20ft, and 40ft containers, depending on capacity and optional requirements.



## Trailer-mounted

The trailer is rated to carry up to 2700kg, therefore there is plenty of additional space to carry extra items of equipment including generator sets, fuel and any other equipment. Chassis, framework and panels are galvanized for maximum durability.

These trailers have been built to withstand the rigours of the construction industry. The beam axle system features sealed, specialised wheel bearings and powerful auto-reverse brakes and is unequalled for strength and durability.



All containers supplied are ISO 6346 certified, so they can be used for the shipping and housing of incinerators and any other related equipment.

## CE DECLARATION.



**MACHINE LISTED BELOW HAS BEEN TESTED BY  
MANUFACTURER IN FACTORY BEFORE DISPATCH**

PRODUCTION DATE: 2018  
CONFORMS TO ALL SAFETY NORMS WHEN USED ACCORDINGLY  
"CE DECLARATION OF CONFORMITY"  
"CE DECLARATION DE CONFORMITE"  
"CE DECLARACION OF CONFORMIDAD"  
"CE ATTESTATO DI CONFORMITA"  
"EG- KONFORM IT A TSERKLARUNG"

**INCINER8 LTD, UNIT 2, CANNING ROAD INDUSTRIAL ESTATE, CANNING ROAD,  
SOUTHPORT PR9 7SN, UNITED KINGDOM**

Has declared that the machinery described:  
Declares que les machines descrits:  
Declaramos que la maquinaria descrita:  
Dichiara che la macchina di seguito descrito:  
Bestatigt daB die hierunter beschreibt Maschine:  
Model (Modele; Modelo; Modello; Modell) :

## CE INCINERATOR I8-40S C/W Eco Flam Burners

### **1.BS EN 746-2:1997**

(industrial thermo-processing equipment – part 2. Safety requirements for combustion and handling systems)

### **2.Low Voltage Directive 73/23/EEC**

Directive Basse Tension  
Directive Baja Tension  
Direttiva Sulla Bassa Tensione  
Niedrige Sapnnung – Richtlinie Directivas

### **3.EMC Compatibility Regulation 89/336/EEC**

Directive CEM  
Directiva CEM  
Direttiva Compatibilita Elettromagnetica  
Elektromanetische Vereinbarkeit – Richtlinie Directive EMC

### **4.Machinery Directive 2006/42/EC (including amendment)**

Directive Securite Machines  
Directiva Seguridad Maquinas  
Direttiva Macchine  
Maschinen – Richtlinie Directiva De Maquinario

### **5. (EC) No 1005/2009 on substances that deplete the ozone layer**



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An experienced team of researchers, designers and engineers have made INCINER8 an innovator in the waste sector, achieving two Queens Awards and many regional business awards.

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Certificate No. 6596



## Speak to the Experts

Our technical sales team are always on hand to answer any questions you may have.

Call **+44 1704 884020** or email [sales@inciner8.com](mailto:sales@inciner8.com)

## General Duty Trailers

Our General Duty trailers are at home in almost any environment, with virtually any type of load, from building materials to expedition equipment.



A GD64 at work in the Australian outback

Tough, adaptable and easy to maintain, the General Duty range is designed to withstand the daily rigour of the construction industry and other arduous conditions.

The trailers are built around a welded steel, galvanized chassis with fixed front and side panels. These panels are constructed from formed galvanized steel and are supported by galvanized steel channel sections.

The General Duty range is offered in three internal width options of 4', 5' and 5'9" (approximately) and four length options between 6' and 12' (approximately), see above table for more details. All models are fitted with the Ifor Williams beam axle and leaf sprung suspension and either a tailboard or rear ramp with assistor.

Our General Duty trailers are available with a number of axle options and a maximum gross weight ranging from 1400kg to 2700kg.



Canopies are available for the GD84 and GD85 models – see Canopies brochure for more details.

SIZE COMBINATIONS						
Internal Width	Platform Length				Loading Height	Side Panel Height
	1890mm/6'2"	2500mm/8'2"	3115mm/10'2"	3730mm/12'2"		
1255mm/4'1"	GD64	GD84			0.43m/1'4"	0.4m/1'3"
1580mm/5'2"		GD85	GD105	GD125	0.43m/1'4"	0.4m/1'3"
1770mm/5'9"			GD106	GD126	0.48m/1'6"	0.4m/1'3"

# General Duty



GD85 with ramp



GD105 with ramp and optional meshsides



GD85 with optional filled-in ramp and optional canopy



GD105 with ramp and optional meshsides



GD85 with ramp and optional meshsides



GD84 single axle with tailboard (prop stands standard on all single axle trailers)

# Plant Trailers

SIZE COMBINATIONS						
Internal Width	Platform Length			Loading Height	Side Panel Height	
	3060mm/10'	3660mm/12'	4285mm/14'		Low	High
1785mm	GP106	GP126		430mm/1'5"	290mm/11"	410mm/16"
1785mm		GP126 Tri	GP146 Tri	410mm/1'4"	290mm/11"	410mm/16"

Loading heights will vary slightly depending on tyre options.

The Ifor Williams plant trailer range is designed specifically for transporting plant machinery and has been standard equipment for many plant users and plant hire firms since the 1980s. We offer three distinct types of plant trailer; The GP Range, described below and GX & GH Ranges (see overleaf):

The GP series trailers, widely regarded as the toughest plant trailers in the industry, have an open rectangular steel framework, integral with chassis. The GP range is our only plant trailer where the 16" wheel is an option, providing maximum off-road capability.

Maximum gross weight of the range is 3500kg. Models range from the smallest GP106 to the largest GP146. Trailers are offered with three tyre options and larger models are also available as tri-axle versions.

GP models are fitted with a tough resin-coated plywood platform. Various options are also available including factory fitted aluminium treadplate floor covering, bolt on ramp knife edge and 1.8m/6' skids or ramp in place of the standard size of 1.2m/4'.

All our plant trailer models are fitted with integrated ramp or skid supports. This standard feature ensures trailers are supported whilst being loaded without the need to deploy prop stands.

GP Trailers can be ordered with either low sides or high sides (see table above for dimensions). The axles on the low sided trailers are rear-set axles, and are particularly suitable for carrying excavators.

Low sided models are offered with either open or closed sides and have a bucket rest fitted as standard.

High sided models come with filled in sides, an optional bucket rest and axles which are more centrally positioned. This option is ideally suited to users who require flexible usage from their trailer; a reliable plant trailer providing higher sides for use as a general duty trailer.



GP106 low sided with optional open sides & 1.3m/4' skids



GP106 (see specification opposite)



GP126 (see specification opposite)



GP126 (see specification opposite)

# Trailer Specifications

- Trailer With Tailboard
- Trailer With Loading Ramp
- Aluminium Treadplate Floor Covering
- Removable Ladder Rack
- Weldmesh Panelled Side Extensions (Tailboard Models)
- Weldmesh Panelled Side Extensions (Ramp Models)
- Prop Stands (pair)
- 2.4m / 8' Long Perforated Galvanneal Steel Skids (pair) (Including Prop Stands)
- 2.4m / 8' Long Aluminium Skids (pair) (Including Prop Stands)
- Recessed Lashing Ring (pair)
- Lashing Straps (3m & 8m)
- Canopy

## General Duty Trailers

GD 4-Series	Maximum Gross Weight	Tyres	Unladen Weight	Unladen Weight											
GD64 Single Axle	1400kg	165R13C	325kg	355kg	Option	Option	Option	Option	Option	Std	-	-	Option	Option	Option
GD84 Single Axle	1400kg	165R13C	355kg	385kg	Option	Option	Option	Option	Option	Std	-	-	Option	Option	Option
GD84 Single Axle	1500kg	175/75R16C	395kg	415kg	Option	Option	Option	Option	Option	Std	-	-	Option	Option	Option
GD84 Single Axle	1500kg	6.50R16C	400kg	420kg	Option	Option	Option	Option	Option	Std	-	-	Option	Option	Option
GD84	2700kg	165R13C	450kg	480kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option
<b>GD 5-Series</b>															
GD85 Single Axle	1400kg	165R13C	395kg	430kg	Option	Option	Option	Option	Option	Std	-	-	Option	Option	Option
GD85	2700kg	165R13C	485kg	525kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option
GD105	2700kg	165R13C	550kg	585kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option
GD125	2700kg	165R13C	585kg	620kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option
<b>GD 6-Series</b>															
GD106	2700kg	165R13C	600kg	625kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option
GD126	2700kg	165R13C	625kg	660kg	Option	Option	Option	Option	Option	Option	-	-	Option	Option	Option

### Other optional extras (LT, LM & GD models)

- Braked Manual winch 2000kg
- Braked Manual winch 3000kg
- Electric winch
- Canopy (GD Models)

Optional accessories have been priced as factory fit items, ordered with your trailer. If ordered at a later date, your distributor may need to fit the items, which will result in fitting charges being incurred.

All trailer weights are unladen and include standard options, these weights are for guidance only.



### The Ifor Williams commitment to trailer security

Each trailer is fitted with an ID plate which has a unique serial number etched on it. Additionally, the drawbar has a different unique number cut through it, which is virtually impossible to alter without noticeably affecting the appearance of the numbers and galvanized finish.

\*Excludes GD64 & GD84 Single Axle Models.



We have recently launched our new range of Tipper trailers.

Please see the dedicated Tipper brochure for information and prices.